


STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING				FORM 3 AMENDED REPORT <input type="checkbox"/>		
APPLICATION FOR PERMIT TO DRILL				1. WELL NAME and NUMBER Thurston 5-17-9-24		
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>				3. FIELD OR WILDCAT DEVILS PLAYGROUND		
4. TYPE OF WELL Gas Well Coalbed Methane Well: NO				5. UNIT or COMMUNITIZATION AGREEMENT NAME		
6. NAME OF OPERATOR THURSTON ENERGY OPERATING				7. OPERATOR PHONE 214 704-3896		
8. ADDRESS OF OPERATOR 365 W. 50 N. Ste W-8, Vernal, UT, 84078				9. OPERATOR E-MAIL rcurton@thurstonenergy.com		
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) U-0145459		11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>		12. SURFACE OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>		
13. NAME OF SURFACE OWNER (if box 12 = 'fee')				14. SURFACE OWNER PHONE (if box 12 = 'fee')		
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')				16. SURFACE OWNER E-MAIL (if box 12 = 'fee')		
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')		18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>		19. SLANT VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>		
20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	2146 FNL 643 FWL	SWNW	17	9.0 S	24.0 E	S
Top of Uppermost Producing Zone	2146 FNL 643 FWL	SWNW	17	9.0 S	24.0 E	S
At Total Depth	2146 FNL 643 FWL	SWNW	17	9.0 S	24.0 E	S
21. COUNTY UINTAH		22. DISTANCE TO NEAREST LEASE LINE (Feet) 494		23. NUMBER OF ACRES IN DRILLING UNIT 640		
		25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1900		26. PROPOSED DEPTH MD: 8000 TVD: 8000		
27. ELEVATION - GROUND LEVEL 5244		28. BOND NUMBER UT-000181		29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE White River Permit #49-2286		
ATTACHMENTS						
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES						
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER			<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN			
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)			<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER			
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)			<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP			
NAME Russell H. Cox		TITLE Operations Manager		PHONE 435 789-8580		
SIGNATURE		DATE 12/27/2010		EMAIL russell.cox@thurstonenergy.com		
API NUMBER ASSIGNED 43047514270000		APPROVAL <div style="text-align: center;">  Permit Manager </div>				

Found 1977
Brass Cap 0.3'
Above Ground.
Pile of Stones.

T9S, R24E, S.L.B.&M.

N89°51'W - 79.90 (G.L.O.)

N89°48'27"W - 2636.80' (Meas.)

Found 1977
Brass Cap in
Pile of Stones.

N0°01'W - 40.12 (G.L.O.)
2647.93' (Measured)

N00°01'54"E (Basis of Bearings)

2146'

**WELL LOCATION:
THURSTON 5-17-9-24**

ELEV. UNGRADED GROUND = 5243.9'

643'

Proposed Well

Found 1977
Brass Cap

17

THURSTON 5-17-9-24 (Proposed Well Head)

NAD 83 LATITUDE = 40.03728° (40° 02' 14.23")

LONGITUDE = 109.24505° (109° 14' 42.17")

NAD 27 LATITUDE = 40.03732° (40° 02' 14.35")

LONGITUDE = 109.24437° (109° 14' 39.74")

N0°08'E - 40.15 (G.L.O.)

N0°20'W - 40.07 (G.L.O.)

N0°03'E - 40.17 (G.L.O.)

N89°35'W - 40.22 (G.L.O.)

S89°50'W - 39.98 (G.L.O.)

NOTES:

▲ = Section Corners Located

1. Well footages are measured at right angles to the Section Lines.
2. Government Land Office (G.L.O.) distances are shown in feet or chains. 1 chain = 66 feet.
3. Bearings are based on Global Positioning Satellite observations.
4. BASIS OF ELEVATION IS BENCH MARK 46 EAM LOCATED IN THE SW 1/4 OF SECTION 23, T9S, R24E, S.L.B.&M. THE ELEVATION OF THIS BENCH MARK IS SHOWN ON THE BONANZA 7.5 MIN. QUADRANGLE AS BEING 5550'.

**THURSTON ENERGY
OPERATING COMPANY**

LEGAL PLAT**THURSTON 5-17-9-24****2146' FNL, 643' FWL**

**SW ¼ NW ¼ OF SECTION 17, T9S, R24E,
S.L.B.&M., UTAH COUNTY, UTAH.**



SCALE

SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

No. 6028691

JOHN R.

SLAUGH

PROFESSIONAL LAND SURVEYOR
REGISTRATION No. 6028691
STATE OF UTAH

TIMBERLINE

(435) 789-1365

ENGINEERING & LAND SURVEYING, INC.

209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE SURVEYED:
10-29-10

SURVEYED BY: B.J.S.

SHEET

DATE DRAWN:
10-30-10

DRAWN BY: M.W.W.

2

SCALE: 1" = 1000'

Date Last Revised:

OF 11

'APIWellNo:43047514270000'